## PATENT ABSTRACTS OF JAPAN

(11)Publication number:

61-245104

(43) Date of publication of application: 31.10.1986

(51)Int.CI.

G02B 5/02 G02F 1/133

G09F 13/00

(21)Application number : 60-086998

(71)Applicant: MITSUBISHI RAYON CO LTD

(22)Date of filing:

23.04.1985

(72) Inventor: MASUZAWA TOKIHIKO

KAGEYAMA YOSHITAKA

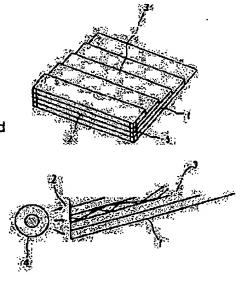
**TOMITA NORIZOU** 

## (54) OPTICAL DIFFUSER

## (57) Abstract:

PURPOSE: To obtain approximately uniform surface illumination by disposing plural thin-layer bodies each having a specular surface in such a manner that said bodies are spaced from each other so as not to superpose on each other.

CONSTITUTION: An optical transmission body is formed with optical waveguides by disposing in parallel the thin-layer bodies 1 each consisting of a film of polyester, etc. deposited thereon with a metal by vapor deposition and having the specular surface in such a manner that said bodies are spaced from each other. A light incident face 2 which is one end of the optical diffuser and a light exit face 4 which is the other end face are both inclined with respect to the surface where the thin-layer bodies 1 each



having the specular surface spread. The area of the face 3 is made substantially larger than the area of the face 2. The light advances in an arrow direction between the bodies 1 and is emitted from the face 3 when a long-sized light source such as fluorescent lamp is disposed along the face 2. The spaces between the bodies 1 at he face 2 and the face 3 are made equal and therefore the quantity of the light emitted from the face 3 is approximately equal to the quantity of the incident light if the light of the equal quantity is made incident to the